

PCTWELTORGANISATION FÜR GEISTIGES EIGENTUM
Internationales BüroINTERNATIONALE ANMELDUNG VERÖFFENTLICHT NACH DEM VERTRAG ÜBER DIE
INTERNATIONALE ZUSAMMENARBEIT AUF DEM GEBIET DES PATENTWESENS (PCT)

(51) Internationale Patentklassifikation 7 : A61K 7/06, 7/13		A1	(11) Internationale Veröffentlichungsnummer: WO 00/59457 (43) Internationales Veröffentlichungsdatum: 12. Oktober 2000 (12.10.00)
(21) Internationales Aktenzeichen: PCT/EP00/02538		(81) Bestimmungsstaaten: AU, BR, CA, CN, CZ, HU, JP, NO, PL, RU, SK, US, VN, europäisches Patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).	
(22) Internationales Anmeldedatum: 22. März 2000 (22.03.00)		Veröffentlicht <i>Mit internationalem Recherchenbericht.</i>	
(30) Prioritätsdaten: 199 14 927.5 1. April 1999 (01.04.99) DE			
(71) Anmelder (<i>für alle Bestimmungsstaaten ausser US</i>): HANS SCHWARZKOPF GMBH & CO. KG [DE/DE]; Hohenzollernring 127, D-22763 Hamburg (DE).			
(72) Erfinder; und (75) Erfinder/Anmelder (<i>nur für US</i>): AKRAM, Mustafa [DE/DE]; Zylinderbergstrasse 14, D-22457 Hamburg (DE). WOLFF, Wolfgang [DE/DE]; Neue Strasse 36, D-22941 Bargteheide (DE). ROHWEDER, Sandra [DE/DE]; Daimlerwiete 3, D-22763 Hamburg (DE).			
(54) Title: PHOSPHATE-TYPE TENSIDES COMBINED WITH HAIR CONDITIONING AGENTS IN HAIR COLOURING COMPOSITIONS			
(54) Bezeichnung: PHOSPHATTYP TENSIDE KOMBINIERT MIT HAARKONDITIONIERMITTELN IN HARRÄFÜRGUNGSZUSAMMENSETZUNGEN			
(57) Abstract			
<p>The invention relates to treatment agents with care properties for fibres containing keratin, especially human hair. Said agents contain at least one tenside of formula (I), wherein y represents a whole number from 0 to 2, x represents a whole number from 1 to 3, on the condition that x+y=3, M represents hydrogen, an equivalent of an alkaline or alkaline earth metal cation, an ammonium cation or an alkyl radical with 1 to 4 carbon atoms which is optionally substituted with one or more hydroxy groups, B represents an equivalent of a physiologically compatible anion and R represents a radical of formula (II) wherein z represents a whole number from 1 to 4, R¹ and R² represent a C₁-C₄ alkyl radical, independently of each other, said C₁-C₄ alkyl radical being optionally substituted with one or more hydroxy groups or an acyl group, A represents -O-CH₂-CH₂-CH₂- or -O-CH₂-CH₂- or -O-CH₂-CHOH-CH₂- and R³ represents a) a branched or unbranched, saturated C₈- to C₁₈-acyl radical or b) a branched or unbranched, mono- or polyunsaturated C₈- to C₁₈-acyl radical and at least one conditioning component. The inventive agents improve the feel of the hair being treated, make it easier to comb when wet and improve shine. They have proven to be particularly suitable for use in colorants since this produces colours with improved fastness properties.</p>			
$\left[(MO)_y \overset{\text{O}}{\underset{ }{\text{P}}}-(R)_x \right]^{x+} + x B^- \quad (I)$ $-\text{A}-\overset{\text{R}^1}{\underset{\text{R}^2}{\text{N}}}-\text{C}_2\text{H}_{2z}-\overset{\text{H}}{\underset{ }{\text{N}}}-\text{R}^3 \quad (II)$			